

This listing of claims will replace all prior versions, and listings, of claims in our amendments or responses to Office actions.

**Listing of Claims:**

Claims 1-23. (Canceled).

Claim 24. (Currently amended) An isolated or recombinant polynucleotide ~~encoding an antigenic polypeptide of SEQ ID NO:2~~ comprising a sequence having at least 80% sequence identity with SEQ ID NO:1.

Claim 25. (Currently amended) The polynucleotide of Claim 24~~[[,]]~~ comprising a sequence having at least 95% sequence identity with SEQ ID NO:1 ~~wherein the antigenic polypeptide comprises:~~

- ~~\_\_\_\_\_ a) residues 1-101 of SEQ ID NO:2;~~
- ~~\_\_\_\_\_ b) residues 102-195 of SEQ ID NO:2;~~
- ~~\_\_\_\_\_ c) residues 196-297 of SEQ ID NO:2;~~
- ~~\_\_\_\_\_ d) residues 1-328 of SEQ ID NO:2; or~~
- ~~\_\_\_\_\_ e) residues 1-606 of SEQ ID NO:2.~~

Claim 26. (Previously presented) The polynucleotide of Claim 24 comprising SEQ ID NO:1.

Claim 27. (Previously presented) An expression vector comprising the polynucleotide of Claim 24.

Claim 28. (Currently amended) ~~[[A]]~~ An isolated host cell comprising the expression vector of Claim 27.

Claim 29. (Previously presented) The host cell of Claim 28, wherein the host cell is:

- a) a mammalian cell;

- b) an insect cell;
- c) a bacterial cell; or
- d) a yeast cell.

Claim 30. (Previously presented) A method of producing an antigenic polypeptide of SEQ ID NO:2 comprising:

- a) culturing the host cell of Claim 28 under conditions suitable for expression of the polypeptide; and
- b) isolating or purifying the polypeptide.

Claim 31. (Currently amended) A kit comprising the nucleic acid of Claim 24, and:

- a) a compartment ~~comprising the~~ for containing said nucleic acid of Claim 24;
- b) ~~a compartment comprising~~ a nucleic acid encoding an human IL12R $\beta$ 1 polypeptide; or
- c) instructions for use of said nucleic acid of Claim 24 ~~or disposal of reagents in the kit.~~

Claim 32. (New) A polynucleotide encoding a polypeptide comprising the sequence of residues 1-606 of SEQ ID NO:2.

Claim 33. (New) The polynucleotide of Claim 32 encoding a polypeptide comprising the sequence of SEQ ID NO:2.